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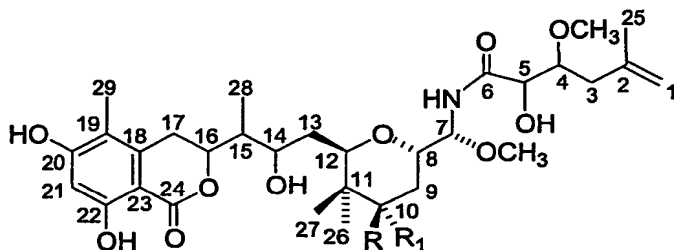
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **IRCINIASTATINS A AND B**



1, R = OH, R<sub>1</sub> = H, Irciniastatin A

2, R, R<sub>1</sub> = O, Irciniastatin B

(57) Abstract: The Indo-Pacific marine sponge *Ircinia ramosa* has been found to contain two powerful (GI<sub>50</sub> 0.001 to <0.0001 µg/ml) murine and human cancer cell growth inhibitors, denominated herein as irciniastatin A and irciniastatin B. Both were isolated (10-3 to 10-4 % yields) by cancer cell line bioassay-guided techniques and named irciniastatins A (1) and B (2). Structural elucidation by a combination of spectral analyses, primarily high resolution mass and 2D-NMR (principally APT, HMQC, HMBC and ROESY) revealed unusual structures 1 and 2.